Your World, Our World: Resilient Environment and Sustainable Resource Management for All

Real Time Mapping of the Waterways Network and Sewers on Italian Territory (n.12502)

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Consiglio Nazionale Italiano Geometri e Geometri Laureati















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Preface



Water is the primary good for excellence, fundamental for human life, the environment the industries that and



















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Introduction

In the office we creates maps using a webGIS based on ESRI's ArcGIS in order to provide the contracting authority with an integrates mapping system that can be updated in real time at any time using ArcGIS and the support collector on tablets.

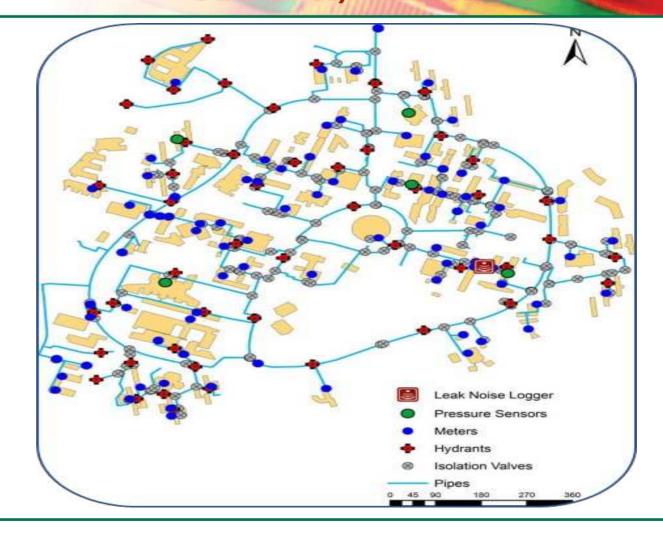












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Water network survey and census and GISbased return

In recent years, due to the increasingly significant problems caused by drought and following decrease in the available water resource, and increasing sensivity has been created by service providers, who govern the integrated water cycle, towards a more accurate and punctual optimization of aqueduct networks. Hence, the idea of creating a cutting-edge company specializing in the field of surveying and mapping of the water network, with the simultaneous return of geometric dimensional and all other characteristics of the network, in order to create a unique and complete database to provide at the contracting client.













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Methodologies for conducting surveys

The GIS chosen to elaborate the final data is ESRI ArcGIS, which offers numerous advanced features, such as simultaneous multi-operator detection, real-time monitoring and updating of the progress of the detection operations and subsequent updating, hydraulic modeling of the plug-in for processing flow rate controls and possible network expansion, as well as identification of the critical problems.

Relevant operations are carried out through the use of the latest generation pipe finders, for the identification of the pipe in real time, and GPS instrumentation with RTK correction for

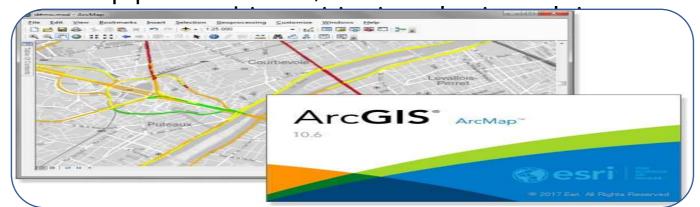




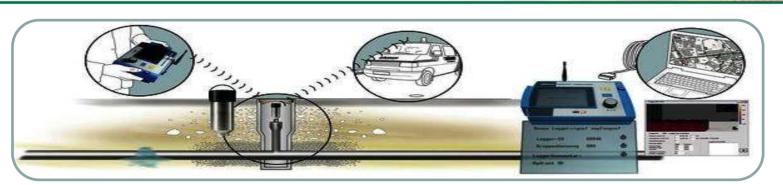






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Final product and return

During the mapping of course monographs of the well are made with the population of all the

information acquired, also communicating promptly to the contracting authority all the















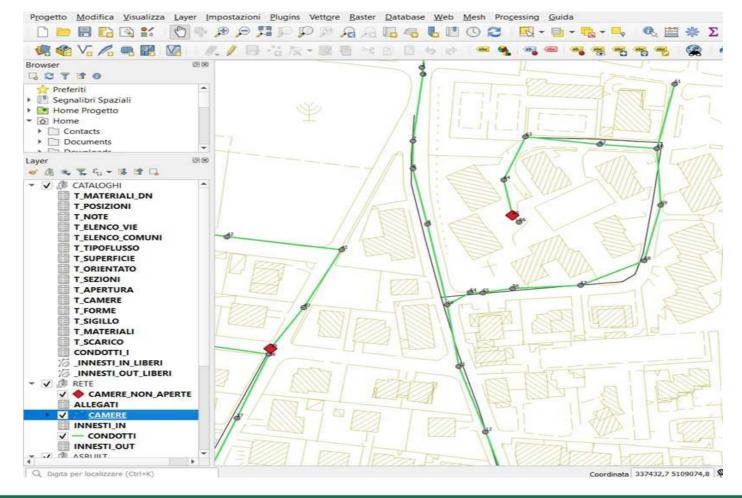






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Monografia Pozzetto Rete Idrica Comune di Albizzate

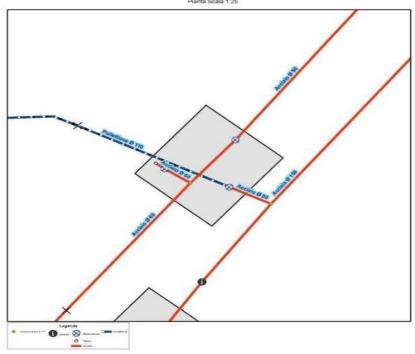
Codice Pozzetto: PZ23

Data Rilievo: 01/07/2018 09:14:14 Via/Piazza: Via San Giuseppe Civico più prossimo Tipo di manto: Asfalto Coordinata UTM32 Nord Mt 5063190,3012 Coordinata UTM32 Est Mt 484506.0683 Quota S.I.m. Mt 330,878967 Note Camera

Note Generali

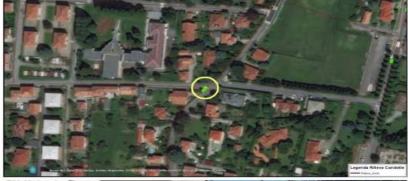
Dati Chiusino di accesso	Dati Camera
Posizione: In quota	Stato: Buono
Materiale: Ghisa	Larghezza cm 125
Forma: Rettangolo	Lunghezza cm 137
Larghezza o Diametro cm 52	Profondità da p.c. Mt. 1,16
Lunghezza cm 72	Presenza Scala Interna: Non presente
	Pulizia: Presenza di acqua e sedimenti

Pianta Scala 1:25



Monografia Pozzetto Rete Idrica Comune di Albizzate

Codice Pozzetto: PZ23













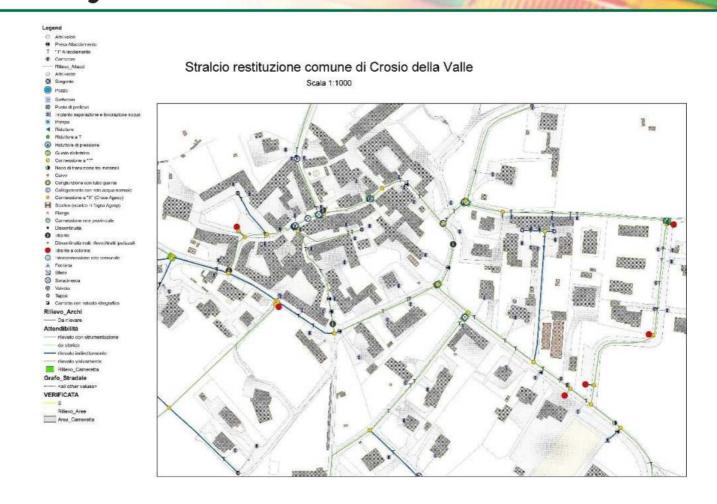






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THANK YOU

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